PATENT

Atty. Docket No. SYP-116 (7783/109)

COMBINED DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

(Original, Design, National Stage of PCT, Supplemental, Divisional, Continuation or CIP)

As a below named inventor, I hereby declare that:

TYPE OF DECLARATION

			
This declaration is of the following type: (check one applicable item below)			
\boxtimes	original		
	design		
	supplemental national stage of PCT		
	divisional		
	continuation		
	continuation-in-part (CIP)		
	DENTIFICATION		

INVENTORSHIP IDENTIFICATION

My residence, post office address and citizenship are as stated below next to my name, and I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

TITLE OF INVENTION

METHODS AND KIT FOR HYBRIDIZATION ANALYSIS USING PEPTIDE NUCLEIC ACID

SPECIFICATION IDENTIFICATION

	SPECIFICATION TO SERVICE SPECIFICATION TO SERVI
the specification of	of which (check one):
is att	tached hereto.
⊠ was	filed on October 4, 1996 as Application Serial No. <u>08/726,093</u> or
Exp	ress Mail No., as Serial No. not yet known and was amended on applicable).
Ap	s described and claimed in PCT International plication No filed on and as amended under PCT Article 19 on(if any).
, CI	KNOWLEDGMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR
I hereby s including the c	State that I have reviewed and understand the contents of the above identified specification, laims as amended by any amendment referred to herein. Veldege the duty to disclose information which is material to the examination of this application with Title 37. Code of Federal Regulations, §1.56(a).
	PRIORITY CLAIM
application(s) least one cou	relaim foreign priority benefits under Title 35, United States Code, §119 of any foreign of patent or inventor's certificate or of any PCT international application(s) designating at notice of the United States of America listed below and have also identified below any cation(s) for patent or inventor's certificate or any PCT international application(s) designating cation(s) for patent or inventor's certificate or any PCT international application(s) designating country other than the United States of America filed by me on the same subject matter having before that of the application(s) of which priority is claimed.
Check	one:
\boxtimes	no such applications have been filed.
	such applications have been filed as follows:

•

EARLIEST FOREIGN APPLICATION(S), IF ANY FILED WITHIN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION

Application Country Number	Date of Filing (mo., day, year)	Priority Claimed Under 37 USC 119		
Country		□YES NO □		
		□YES NO □		
		□YES NO □		
ALL FOREIGN APPLICATION(S), IF ANY FILED MORE THAN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO <u>THIS U.S. APPLICATION</u>				
		VISIONAL APPLICATION(S)		
I hereby claim priority benefits under Title 35, United States Code, §119(e) of any copending US provisional application for patent filed under the provision of Title 35, United States Code, §111(b).				
Check one:				
no such application(s) has(ve) been filed.				
such application(s) has	(ve) been filed as follows:			
U.S. APPLICATIONS	U.S. FILING DATE	STATUS		
60/004,953 (Application Serial No.)	October 6, 1995 (Filing Date)	abandoned as of October 6, 1996 (Status) (patented, pending, aband.)		
(Application Serial No.)	(Filing Date)	(Status) (patented, pending, aband.)		

CLAIM FOR BENEFIT OF EARLIER U.S./PCT APPLICATION(S)

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35. United States Code, §112. I acknowledge the duty to disclose material information as defined in Title 37. Code of Federal Regulations. \$1.56(a) which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application.

PRIOR U.S. APPLICATIONS OR PCT INTERNATIONAL APPLICATIONS DESIGNATING THE U.S. FOR BENEFIT UNDER 35 USC 120:

U.S. APPLICATIONS

U.S. FILING DATE

STATUS

(Application Serial No.)

(Filing Date)

(Status) (patented, pending, aband.)

(Application Serial No.)

(Filing Date)

(Status) (patented, pending, aband.)

POWER OF ATTORNEY

As a named inventor. I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the United States Patent and Trademark Office connected therewith: Reg. No. 31 481

Direct correspondence to:

Patent Administrator Testa, Hurwitz & Thibeault, LLP High Street Tower 125 High Street Boston, MA 02110

Direct telephone calls to:

Thomas A. Turano (617) 248-7738

DECLARATION

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may be popardize the validity of the application or any patent issued thereon.

SIGNATURE(S)

Martin Fuchs Full name of sole or first inventor That fuchs Inventor's signature	Denmark Citizenship 26 De Cember 1996 Date
Uxbridge, Massachusetts	
Residence 11 Sophia Drive, Uxbridge	17A 01569
11 Sophia Itive, Oxionis	
Post Office Address	
Michael Egholm Full name of sole or second inventor (if any)	Denmark Citizenship
	Date
Inventor's signature	
Lexington, Massachusetts	
Residence	
Post Office Address	

CHECK PROPER BOX(ES) FOR ANY OF THE FOLLOWING ADDED PAGE(S) WHICH FORM A PART OF THIS DECLARATION

\boxtimes	Signature for third and subsequent joint inventors. Number of pages added $\underline{1}$.
	Signature by administrator(trix), executor(trix) or legal representative for deceased or incapacitated inventor. Number of pages added
	Signature for inventor who refuses to sign or cannot be reached by person authorized under 37 CFR 1.47. Number of pages added
	Added pages to combined declaration and power of attorney for divisional, continuation, of continuation in-part (CIP) applicationNumber of pages added.
	A standardion of attorney(s) to accept and follow instructions from representative.
If no furth following	ner pages form a part of this Declaration then end this Declaration with this page and check the item.
	This declaration ends with this page.

ADDED PAGES FOR ADDITIONAL INVENTORS

	U.S.A.
Heather O'Keefe	Citizenship
Full name of inventor	
	Date
Inventor's signature	
Lexington, Massachusetts	
Residence	
Post Office Address	
1 Ost Office 1 and	
Xian-Wei Yao	China
Full name of inventor	Citizenship
Tun name s	
The company of the co	Date
Inventor's signature	
Framingham, Massachusetts	
Residence	

Post Office Address

PATENT Atty. Docket No. SYP-116 (7783/109)

COMBINED DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

(Original, Design, National Stage of PCT, Supplemental, Divisional, Continuation or CIP)
A section pamed inventor. Thereby declare that:	

As a below named inventor, I hereby declare that:

TYPE OF DECLARATION

	TYPE OF DECLARATION			
This declaration is of the following type: (check one applicable item below)				
\boxtimes	original			
	design			
	supplemental national stage of PCT			
	divisional			
	continuation			
	continuation-in-part (CIP)			
	INVENTORSHIP IDENTIFICATION			

INVENTORSHIP IDENTIFICATION

My residence, post office address and citizenship are as stated below next to my name, and I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

TITLE OF INVENTION

METHODS AND KIT FOR HYBRIDIZATION ANALYSIS USING PEPTIDE NUCLEIC ACID **PROBES**

SPECIFICATION IDENTIFICATION

	STECHTO
the specifica	tion of which (check one):
	is attached hereto.
	was filed on October 4, 1996 as Application Serial No. 08/726,093 or
	Express Mail No., as Serial No. not yet known and was amended on (if applicable).
	was described and claimed in PCT International Application No filed on and as amended under PCT Article 19 on (if any)
	ACKNOWLEDGMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR
I here including t	eby state that I have reviewed and understand the contents of the above identified specification, the claims as amended by any amendment referred to herein. Showledge the duty to disclose information which is material to the examination of this application which Title 37. Code of Federal Regulations, §1.56(a).
	PRIORITY CLAIM
application least one foreign a	preby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign con(s) for patent or inventor's certificate or of any PCT international application(s) designating at country other than the United States of America listed below and have also identified below any pplication(s) for patent or inventor's certificate or any PCT international application(s) designating properties of the United States of America filed by me on the same subject matter having that before that of the application(s) of which priority is claimed.
Ch	neck one:
\boxtimes	no such applications have been filed.
	such applications have been filed as follows:



EARLIEST FOREIGN APPLICATION(S), IF ANY FILED WITHIN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION

	Application	Date of Filing	,	Claimed
Country	Number	(mo., day, yea	r) Under 37	7 USC 119
			YES	NO 🗌
			YES_	NO 🗌
			YES	NO 🗌
ALL FOREIGN APPLICATION(S), IF ANY FILED MORE THAN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO <u>THIS U.S. APPLICATION</u>				
CLAIM FOR BENEFIT OF EARLIER U.S. PROVISIONAL APPLICATION(S) 1 hereby claim priority benefits under Title 35, United States Code, §119(e) of any copending US				
provisional application	i for patent filed un	der the provision of	Title 35, United Sta	tes Code, §111(b).
Check one:				
no such a	no such application(s) has(ve) been filed.			
such application(s) has(ve) been filed as follows:				
U.S. APPLICAT	TIONS U.S.	FILING DATE	S	TATUS
60/004,953 (Application Serial No		ber 6, 1995 ng Date)		of October 6, 1996 ted, pending, aband.)
(Application Serial No.) (Filing Date) (S			(Status) (patented,	pending, aband.)

CLAIM FOR BENEFIT OF EARLIER U.S./PCT APPLICATION(S)

Thereby claim the benefit under Title 35, United States Code, \$120 of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35. United States Code. \$112. I acknowledge the duty to disclose material information as defined in Title 37. Code of Federal Regulations, \$1.56(a) which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application.

PRIOR U.S. APPLICATIONS OR PCT INTERNATIONAL APPLICATIONS DESIGNATING THE U.S. FOR BENEFIT UNDER 35 USC 120:

U.S. APPLICATIONS

U.S. FILING DATE

STATUS

(Application Serial No.)

(Filing Date)

(Status) (patented, pending, aband.)

(Application Serial No.)

(Filing Date)

(Status) (patented, pending, aband.)

POWER OF ATTORNEY

As a named inventor, I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the United States Patent and Trademark Office connected therewith:

Steven M. Bauer Paula A. Campbell Joseph A. Capraro, Jr. John J. Cotter Gillian M. Fenton Duncan A. Greenhalgh Edward Kelly Robin D. Kelley Douglas J. Kline John D. Lanza Robin R. Longo Thomas C. Meyers Edmund R. Pitcher Kurt Rauschenbach Gretchen A. Rice Christopher W. Stamos Robert J. Tosti	Reg. No. 31,481 Reg. No. 32,503 Reg. No. 36,471 Reg. No. 38,116 Reg. No. 38,508 Reg. No. 38,678 Reg. No. 38,936 Reg. No. 34,637 Reg. No. 35,574 Reg. No. 40,060 Reg. No. 40,071 Reg. No. 36,989 Reg. No. 27,829 Reg. No. 27,829 Reg. No. 40,137 Reg. No. 35,370 Reg. No. 35,370 Reg. No. 35,370 Reg. No. 35,370 Reg. No. 35,393 Reg. No. 35,722
Christopher W. Stantos Robert J. Tosti Thomas A. Turano Michael J. Twomey Christine C. Vito	Reg. No. 35,393

Direct correspondence to:

Patent Administrator Testa, Hurwitz & Thibeault, LLP High Street Tower 125 High Street Boston, MA 02110

Direct telephone calls to:

Thomas A. Turano (617) 248-7738

DECLARATION

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

SIGNATURE(S)

Martin Fuchs Full name of sole or first inventor	Denmark Citizenship
Inventor's signature Uxbridge, Massachusetts Residence	Date
Post Office Address Michael Egholm Full name of sole or second inventor (if any) Inventor's signature	Denmark Citizenship Z 1 9 6 Date
Lexington, Massachuseus	e, Lexington, MA 02173

CHECK PROPER BOX(ES) FOR ANY OF THE FOLLOWING ADDED PAGE(S) WHICH FORM A PART OF THIS DECLARATION

$[\times]$	Signature for third and subsequent joint inventors. Number of pages added \underline{l}	
	Signature by administrator(trix), executor(trix) or legal representative for deceased or incapacitated inventor. Number of pages added	
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	Authorization of attorney(s) to accept and follow instructions from representative.	
If no further pages form a part of this Declaration then end this Declaration with this page and check the fellowing item.		
	This declaration ends with this page.	

Page 7

ADDED PAGES FOR ADDITIONAL INVENTORS

Heather O'Keefe Full name of inventor	U.S.A. Citizenship
	Date
Inventor's signature	
Lexington, Massachusetts	
Residence	
Post Office Address	
1.50	China
Xian-Wei Yao	Citizenship
Full name of inventor	12/12/90
Full name of inventor	Date
Inventor's signature	
Framingham, Massachusetts	76 Frammohem, MA 01701
Residence Act. 1	76 Framinoper 1911
11 Edulatias Mil.	
Post Office Address	

	Citizenship
Full name of inventor	
· ionature	Date
Inventor's signature	
Residence	
Post Office Address	
	Citizenship
Full name of inventor	Chilenony
	Date
Inventor's signature	
Residence	
Post Office Address	
	To the limit
Full name of inventor	Citizenship
	Date
Inventor's signature	
Residence	
o or Allmoss	
Post Office Address	
Full name of inventor	Citizenship
T un inches	Date
Inventor's signature	Date
Residence	
Post Office Address	

PATENT Atty. Docket No. SYP-116 (7783/109)

COMBINED DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION (Original, Design, National Stage of PCT, Supplemental, Divisional, Continuation or CIP)		
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SPECIFICATION IDENTIFICATION

the specifica	ntion of which (check one):	
	is attached hereto.	
\sum_{i}	was filed on October 4, 1996 as Application Serial No. 08/726,093 or	
	Express Mail No., as Serial No. not yet known and was amended on (if applicable).	
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I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims as amended by any amendment referred to herein. I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a).		
	PRIORITY CLAIM	
I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.		
Cł	neck one:	
\boxtimes	no such applications have been filed.	
	such applications have been filed as follows:	



(Application Serial No.)



Application	n Date of Filing (mo., day, year)	Priority Claimed Under 37 USC 119
Country Number	(mon, only, y	□YES NO □
		□YES NO □
		□YES NO □
ALL FOREIGN APPLICATION(S), IF ANY FILED MORE THAN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION CLAIM FOR BENEFIT OF EARLIER U.S. PROVISIONAL APPLICATION(S)		
I hereby claim priority benefits under Title 35. United States Code, §119(e) of any copending US provisional application for patent filed under the provision of Title 35, United States Code, §111(b).		
Check one: no such application(s)		
such application(s) ha	as(ve) been filed as follows:	STATUS
U.S. APPLICATIONS	U.S. FILING DATE	
60/004,953 (Application Serial No.)	October 6, 1995 (Filing Date)	abandoned as of October 6, 1996 (Status) (patented, pending, aband.)
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CLAIM FOR BENEFIT OF EARLIER U.S./PCT APPLICATION(S)

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PRIOR U.S. APPLICATIONS OR PCT INTERNATIONAL APPLICATIONS DESIGNATING THE U.S. FOR BENEFIT UNDER 35 USC 120:

U.S. APPLICATIONS

U.S. FILING DATE

STATUS

(Status) (patented, pending, aband.) (Filing Date) (Application Serial No.)

(Filing Date) (Application Serial No.)

(Status) (patented, pending, aband.)

POWER OF ATTORNEY

As a named inventor, I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the United States Patent and Trademark Office connected therewith: Reg. No. 31.481

Steven M. Bauer Paula A. Campbell Joseph A. Capraro, Jr. John J. Cotter Gillian M. Fenton Duncan A. Greenhalgh Edward Kelly Robin D. Kelley Douglas J. Kline John D. Lanza Robin R. Longo Thomas C. Meyers Edmund R. Pitcher Kurt Rauschenbach Gretchen A. Rice Christopher W. Stamos Robert J. Tosti Thomas A. Turano	Reg. No. 31,481 Reg. No. 32,503 Reg. No. 36,471 Reg. No. 38,116 Reg. No. 38,678 Reg. No. 38,678 Reg. No. 38,936 Reg. No. 34,637 Reg. No. 35,574 Reg. No. 40,060 Reg. No. 40,071 Reg. No. 36,989 Reg. No. 27,829 Reg. No. 27,829 Reg. No. 37,429 Reg. No. 35,370 Reg. No. 35,370 Reg. No. 35,370 Reg. No. 35,370 Reg. No. 35,372 Reg. No. 35,722 Reg. No. 38,349
	Reg. No. 35,722 Reg. No. 38,349 Reg. No. 39,061

Direct correspondence to:

Patent Administrator Testa, Hurwitz & Thibeault, LLP High Street Tower 125 High Street Boston, MA 02110

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Thomas A. Turano (617) 248-7738

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SIGNATURE(S)

Martin Fuchs Full name of sole or first inventor	Denmark Citizenship
Inventor's signature Uxbridge, Massachusetts Residence	Date
Post Office Address	
Michael Egholm Full name of sole or second inventor (if any)	Denmark Citizenship
Inventor's signature	Date
Lexington, Massachusetts Residence	
Post Office Address	

CHECK PROPER BOX(ES) FOR ANY OF THE FOLLOWING ADDED PAGE(S) WHICH FORM A PART OF THIS DECLARATION

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ADDED PAGES FOR ADDITIONAL INVENTORS

Heather O'Keefe Full name of inventor What O keefe Inventor's signature Lexington, Massachusetts Residence	U.S.A. Citizenship 1/10/97 Date
Post Office Address	
Xian-Wei Yao Full name of inventor	China Citizenship
Inventor's signature	Date
Framingham, Massachusetts Residence	
Post Office Address	